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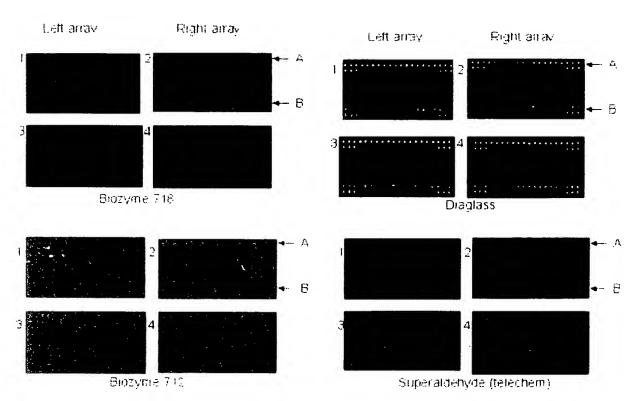
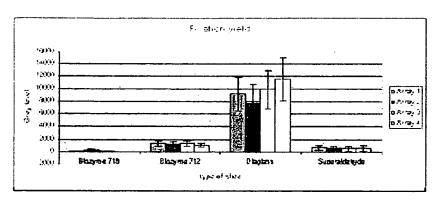


Figure 1A. Comparision of the hybridization (A) and fixation (B) yield on different aldehyde Commercial slides

Opostung of CMV-NHC 300 nM (A) or CMV-MHC 300 nM brounvlated (B). Hybridization with CMV biotinylated. Indusert detection by Antibody anti-broun-by3.



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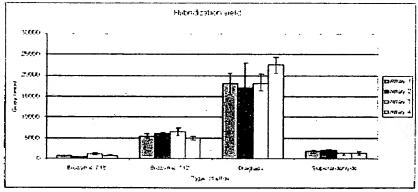


Figure 1B. Quantification data from figure 1A



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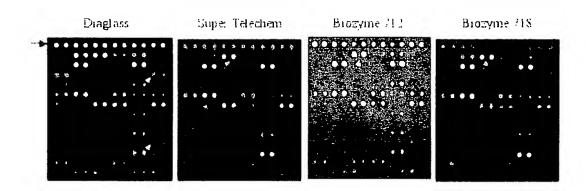


Figure 2. Comparision of a gene expression experiment on different aldehyde commercial slides

Spotting of a Rat hepatoChips microarray on different slides. Hybridization of RT product from 0.5 ug. mENA. Indirect detection by Antibody anti-biomiccy3.

Conclusions:

- Higher background on Corning, SuperTeleChem and BioZym 712
- . The lowest background is on the diaglass
- Building capacity (via Pos. Detection 2th) is higher on Dinglass.
- Only highly expressed genes present an acceptable aignal (above background)
- Only on diaglass, low expressed genes are detected



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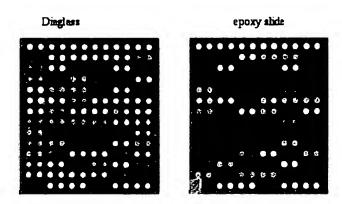


Figure 3. Comparision of a gene expression experiment on aldehyde (diaglass) and epoxy slides

Spotting of a Rat hepato Chips micro array on different slides. Hybridization of RT product from 0.5 µg mRNA. Indirect detection by Antibody anti-biotin-cy3.

Conclusions: Low expressed genes are only detected on diaglass slides.



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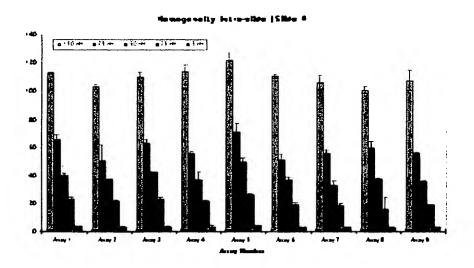


Figure 4. Intra-batch Variability

Comparisons of the efficiency of DNA capture probe binding on different locations of an activated glass slide according to the invention. Biotinylated DNA ended by an amino-group were spotted at 5 concentrations (5, 25, 50, 75, 150 nM) as 9 arrays in different locations of an activated microscope glass slide. Cy3-labeled streptavidin was used for detection.